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BUILDING MATERIAL HAVING ANTIBACTERIAL ACTIVITY CONSISTING OF CONJUGATE MATERIAL OBTAINED BY USING MORDENTITE AND ITS PRODUCTION

Patent number: JP8109108

Publication date: 1996-04-30

Inventor: OGURA YUUSUKE; MAKINO KIYOSHI; ODA TAKEO; MASUBUCHI YOUJI; SHINOZAKI YOSHIO; TAKASAKI HIROYOSHI

Applicant: OGURA YUUSUKE;; MASUBUCHI YOUJI;; SHINOZAKI YOSHIO

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- international: A01N59/16; A01N33/00; E04C2/04

- european:

Application number: JP19940270479 19941007

Priority number(s):

Abstract of JP8109108

PURPOSE: To obtain a building material having antibacterial activity consisting of a conjugate material using mordenite and to provide a process for producing the material.

CONSTITUTION: Powder 1 of a natural zeolite consisting of mordenite as a main component is immersed into a diluted solution of silver nitrate and an alkali ion is displaced with a silver ion 2 to obtain a carrier A. The obtained carrier A is conjugated with a building material B such as cement, wooden chip, paper, or fibers to obtain a conjugate material C. The conjugate material C is formed and processed into a desired shape as a building material such as board shape or sheet shape to obtain the objective building material having antibacterial activity. The material is especially useful as an interior or exterior material for a hospital, food factory, food shop, day nursery, home for the aged, public lavatory, etc.

